Information Technology (IT) Infrastructure Support & Range Connectivity

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Agenda

- Information Technology

  - Infrastructure/Enhanced Capability
  - Range Modernization Methodology
  - Planning Standard /Data

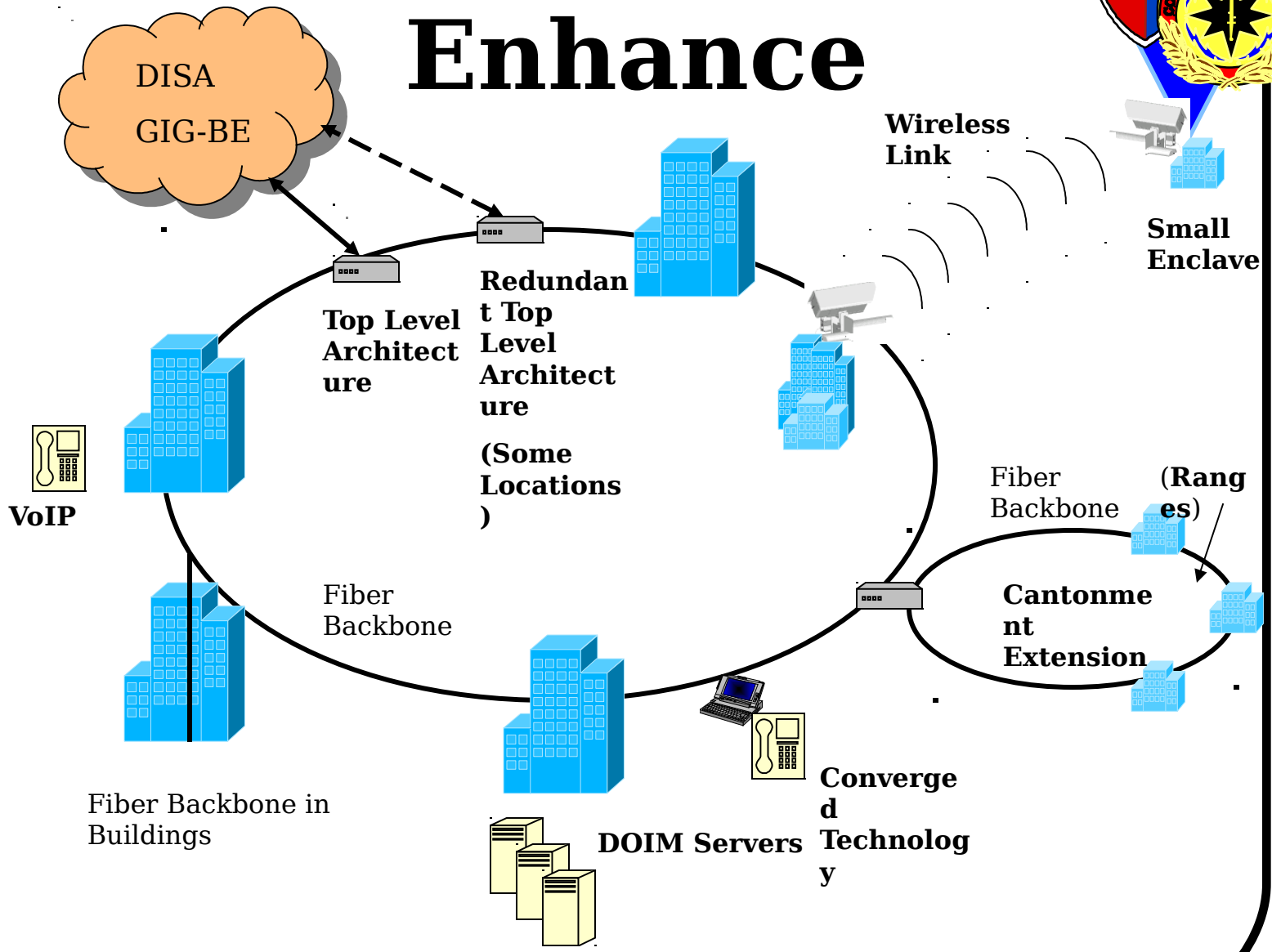
- Project DD 1391 Tab-F Certification

- Range Schedule

Information Technology /Enhance Capability

- Infrastructure
  - Fiber = Bandwidth Reliability
  - Extending Cantonment Area
  - Power Projection Locations
  - Long haul Communication

Enhance


DISA
GIG-BE
Wireless Link
Small Enclave
Top Level Architecture
Redundant Top Level Architecture
(Some Locations)
VoIP
Fiber Backbone
(Ranges)
Fiber Backbone
Cantonment Extension
Fiber Backbone in Buildings
DOIM Servers
Converged Technology

Fort Detrick Engineering Directorate

Range Modernization Methodology

1 Doctrinal Requirements Analysis
- *Load/Forces*
- *Drivers*
- *Standard*

Doctrinal Requirement

X

2 Operational Analysis
- *Utilization*
- *Condition*
- *Assets Delta (Overages & Shortages)*
- *Time/Distance & Configuration*
- Safety & SDZs

=

3 Operational Overlay (Unconstrained Requirement)
- *LAND*
- *RANGES*

GIS

X

4 Analysis of Alternatives/ **Project Definition**
1. Procedures
2. Projects

To Correct Overages & Shortages
- (MILCON, Conversion, Upgrade, Inactivate)
- Costs
- Milestones

X

5 Sustainability Analysis
- *Environmental*
- *Engineering*
- *IT/DOIM*
- *Force Protection*
- *Economics (Macro)*

6 RANGE MASTER PLAN (Sustainable Reqt)

GIS

7 INSTALLATION PLANNING PROCESS
- DPTM – RANGE OFFICER
- ITAM
- SAFETY
- DPW - ENVIRONMENTAL
- DPW - FACILITIES PLANNING
- DOIM - IT

1391

8 Installation Range Development Plan (RDP)
Projects for HQDA Designated "PROJECT YEAR"

- Project # (1391)
- Category Code
- Short Description
- Standard MILCON & OPA Costs

Army Range Technical Standards

GIS

USAISEC - Making Information Technology Work

Planning Standards/ Data

- Tech Team

- Planning Charrettes
  - Program Management (HQDA G3 DAMO-TR)

  •ATSC & DAMO must produce cost estimates for Macro-level decisions: maintaining the best data is in the best interest of the MACOMs, Installations and program managers

  •Program can get “locked-into” early cost estimated

Planning Standards / Data (Cont)

- Pentagon Planning (cont)
- . Standardization.
  - Outline project scope for compliance w/TC 25-8
  - Validate justification and requirements
- Coordinate and develop DD Form 1391

CERTIFICATION

- **"Sanity Check"** of IS Concept
- Validate DD Form 1391, Tab-F/ISCE
- Certify Tab-F
- Design Review & upload comments in Dr. Check

ISSUES

- G3 guidance stated no funding for communications outside the footprint of the project

- DD form 1391s Tab-F addressed it Rqmts and were certified

- UFR validation to the G6 was based on certified 1391s not on 3086s which in most cases did not match

- Commanders require the DOIM to provide infrastructure connection to main post for both voice & data Rqmts

Digital Ranges

Installations outlined in the cost estimate provided to the CIO G6:

Ft Benning	$3.9M	*Ft Bragg	$4.3M
Ft Riley	$2.1M	Ft McCoy	$3.1M
Ft Stewart	$4.7M	*Ft Leo Wood	$4.3M
Ft Hood	$3.7M	Ft Campbell	$4.7M
Ft Carson	$5.8M	Ft Drum	$5.1M
	*Ft Knox	$4.3M	

TOTAL $46.0M UFR

*Denotes site not physically surveyed

RESOLUTION

- G3 agreed to fund the range connectivity if 10,000 ft or less from the nearest main post connection point (all or none)

- G6 agreed to fund the range connectivity for 10,000 ft or more projects

- Reevaluate current & future force projects for revised UFR requirements to the G6

- Work closely with RCIO & DOIM on 1391's Rqmts

RANGE SCHEDULE

INSTALLATION	PROJECT	START DATE	END DATE
FORT BENNING	CACTF	19-May-04	21-May-04
FORT IRVIN	CTC SPECIAL	6-Jun-04	10-Jun-04
FORT STEWART	DMPRC	23-Jun-04	25-Jun-04
	DMPTR	23-Jun-04	25-Jun-04
FORT HOOD	DMPRC - AVN	22-Jul-04	23-Jul-04
FORT BRAGG	DMPRC-AVN	7-Jul-04	8-Jul-04
FORT LEWIS YAKIMA	DMPRC	4-Aug-04	5-Aug-04
FORT DRUM	DMPRC	25-Aug-04	26-Aug-04
USMA	Assistance Visit	31-Aug-04	7-Sep-04
FORT RILEY	DMPRC	8-Sep-04	11-Sep-04
OKINAWA	SOF	22-Sep-04	23-Sep-04

QUESTIONS
COMMENT

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